AMENDMENTS TO THE CLAIMS

Claims 1-6 (Cancelled):

Claim 7 (Currently Amended):	
	The method as recited in claim 1, further comprising the method steps of \underline{A}
2	method for matching output impedance of a driver to a load impedance,
	comprising:
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	attaching an external impedance between an external contact and a first source
6	potential, wherein the load impedance comprises the external impedance plus
	impedance of interconnections between an output terminal of the driver and the
8	external impedance;
10	attaching an adjustable impedance between a second source potential and the
	output terminal of the driver;
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	obtaining a reference potential, wherein the reference potential has a value half-
14	way between the first source potential and the second source potential;
16	obtaining a load matching impedance by changing the adjustable impedance until
	the absolute value of the difference between voltage of the output terminal of the
18	driver and the reference potential is less than a preselected value;
	·
20	repeating the method obtaining the load matching impedance for a preselected
	number of conducting traces, wherein the conducting traces have different length
22	to width ratios;
24	based on the conducting trace length to width ratio of an additional driver,
	selecting the load matching impedance which provides the closest match of the
26	output impedance to the load impedance for the additional driver; and

transferring an instruction to the additional driver to set the load matching impedance of the additional driver to the result of the method step of selecting the load matching impedance.

Claim 8 (Original):

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The method as recited in claim 7, wherein the method step of obtaining the adjustable impedance is performed via a compensation circuit, wherein the compensation circuit is capable of performing the method step of obtaining the adjustable impedance for the preselected conducting traces.

Claim 9 (Original):

The method as recited in claim 7, wherein the adjustable impedance for at least
 one of the drivers comprises a plurality of field effect transistors, wherein the field effect transistors have capability of being individually turned on and turned
 off.

Claim 10 (Currently Amended):

The method as recited in claim 1, further comprising the method steps of A method for matching output impedance of a driver to a load impedance, comprising:

attaching an external impedance between an external contact and a first source potential, wherein the load impedance comprises the external impedance plus impedance of interconnections between an output terminal of the driver and the external impedance;

attaching an adjustable impedance between a second source potential and the output terminal of the driver;

obtaining a reference potential, wherein the reference potential has a value halfway between the first source potential and the second source potential;

obtaining a load matching impedance by changing the adjustable impedance until
the absolute value of the difference between voltage of the output terminal of the
driver and the reference potential is less than a preselected value;

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based on the conducting trace length to width ratio of the driver and on the conducting trace length to width ratio of an additional driver, computing the load matching impedance which provides the closest match of the output impedance to the load impedance for the additional driver; and

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transferring an instruction to the additional driver to set the load matching impedance of the additional driver to the result of the method step of computing the load matching impedance.

Claim 11 (Original):

The method as recited in claim 10, wherein the method step of obtaining the adjustable impedance is performed via a compensation circuit, wherein the compensation circuit is capable of performing the method step of obtaining the adjustable impedance for the preselected conducting traces.

Claim 12 (Original):

The method as recited in claim 10, wherein the adjustable impedance for at least one of the drivers comprises a plurality of field effect transistors, wherein the field effect transistors have capability of being individually turned on and turned off.

Claims 13-17 (Cancelled):

Claim 18 (Currently Amended):

The electronic circuit as recited in claim 13, further comprising An electronic circuit for matching output impedance of a driver to a load impedance, comprising:

an external impedance attached between an external contact and a first source potential, wherein the load impedance comprises the external impedance plus impedance of interconnections between an output terminal of the driver and the external impedance;

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an adjustable impedance attached between a second source potential and the output terminal of the driver;

a reference potential source, wherein the reference potential obtained from the reference potential source has a value substantially half-way between the first source potential and the second source potential and wherein a load matching impedance is obtainable by changing the adjustable impedance until the absolute value of the difference between voltage of the output terminal of the driver and the reference potential is less than a preselected value; and

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a compensation circuit, wherein the compensation circuit comprises a comparator having a first input, a second input, and an output, wherein the compensation circuit comprises a control circuit, wherein the first input of the comparator is connected to the output terminal of the driver and the second input of the comparator is connected to the reference potential source, wherein the output of the comparator is attached to an input of the control circuit, wherein, for a plurality of conducting traces having different length to width ratios, the control circuit is capable of changing the adjustable impedance until the absolute value of the difference between the potential of the output terminal of the driver and the reference potential is less than a preselected value, wherein the compensation circuit is connected to at least one additional driver, wherein the compensation circuit is capable of selecting the adjustable impedance which provides the closest match of the output impedance of the additional driver to the load impedance for the additional driver based on the conducting trace length to width ratio of the additional driver, and wherein the compensation circuit is capable of instructing the additional driver to set the load matching impedance of the additional driver

to the value of the selected adjustable impedance.

Claim 19 (Currently Amended):

The electronic circuit as recited in claim 13, further comprising An electronic circuit for matching output impedance of a driver to a load impedance, comprising:

an external impedance attached between an external contact and a first source potential, wherein the load impedance comprises the external impedance plus impedance of interconnections between an output terminal of the driver and the external impedance;

an adjustable impedance attached between a second source potential and the output terminal of the driver;

a reference potential source, wherein the reference potential obtained from the reference potential source has a value substantially half-way between the first source potential and the second source potential and wherein a load matching impedance is obtainable by changing the adjustable impedance until the absolute value of the difference between voltage of the output terminal of the driver and the reference potential is less than a preselected value; and

a compensation circuit, wherein the compensation circuit comprises a comparator having a first input, a second input, and an output, wherein the compensation circuit comprises a control circuit, wherein the first input of the comparator is connected to the output terminal of the driver and the second input of the comparator is connected to the reference potential source, wherein the output of the comparator is attached to an input of the control circuit, wherein, for a conducting trace having a known length to width ratio, the control circuit is capable of changing the adjustable impedance until the absolute value of the difference between the potential of the output terminal of the driver and the

reference potential is less than a preselected value, wherein the compensation circuit is connected to at least one additional driver, wherein the compensation circuit is capable of computing the adjustable impedance which provides a match of the output impedance of the additional driver to the load impedance for the additional driver based on the conducting trace length to width ratio of the additional driver, and wherein the compensation circuit is capable of instructing the additional driver to set the load matching impedance of the additional driver to the value of the selected adjustable impedance.

Claim 20 (Cancelled):